|                   |          |           |           |                 |              |              |              |       |                |            |      |                             | 10/734,907 |                 |              |                       |           |           |              |        |          | ROESGEN ET AL. |            |                 |              |         |          |           |                 |                 |           |   |
|-------------------|----------|-----------|-----------|-----------------|--------------|--------------|--------------|-------|----------------|------------|------|-----------------------------|------------|-----------------|--------------|-----------------------|-----------|-----------|--------------|--------|----------|----------------|------------|-----------------|--------------|---------|----------|-----------|-----------------|-----------------|-----------|---|
|                   | Ш        | Ш         |           |                 |              |              |              |       |                |            |      |                             |            |                 | E            | xar                   | mir       | er        |              |        |          |                |            |                 | Ar           | Ur      | nit      |           |                 |                 |           |   |
| // Through pumors |          |           |           |                 |              |              |              |       |                |            |      |                             |            | Alvin A. Hunter |              |                       |           |           |              |        |          |                | 3711       |                 |              |         |          |           |                 |                 |           |   |
|                   |          | 1         | Rejected  |                 |              |              |              |       | -              |            | (Т   | Through numers<br>Cancelled |            |                 |              | )                     |           | N         | N            | Non-E  |          | lected         |            | A               | <del> </del> |         |          |           |                 | ]               |           |   |
|                   |          | =         | Allowed   |                 |              |              |              | +     |                | Restricted |      |                             |            | D               |              | ı                     | In        | Interfe   |              | nce    |          | 0              |            |                 |              |         |          |           |                 |                 |           |   |
| CI                | aim      |           | Date      |                 |              |              |              |       |                |            |      | Claim                       |            |                 |              |                       | ate       |           | Cla          |        | aim      |                | Date       |                 |              |         |          | _         |                 |                 |           |   |
| Final             | Original | 5/24/05   |           |                 | į            |              |              |       |                |            |      | Final                       | Original   |                 |              |                       |           |           |              |        |          | Final          | Original   |                 |              |         |          |           |                 |                 |           |   |
|                   | 1 2      | 7         |           | $\Box$          | 7            |              |              | +     | -              | $\exists$  |      |                             | 51<br>52   |                 |              |                       |           |           |              |        |          |                | 101<br>102 | Н               | -            | +       | F        |           | $\Box$          |                 |           |   |
|                   | 3        | 1         |           | $\Box$          | 7            | 4            | +            | 1     | 7              |            |      |                             | 53<br>54   | $\Box$          |              | H                     |           | 4         | 1            | $\bot$ | -        |                | 103<br>104 |                 | 1            | 1       |          |           |                 |                 | П         |   |
|                   | 5        | 1         | _         | $\Box$          | $\downarrow$ | 1            | $\perp$      | #     | 1              |            |      |                             | 55         |                 |              |                       |           |           | $\exists$    |        | 1        |                | 105        |                 | $\downarrow$ | L       |          |           |                 |                 |           | ! |
|                   | 6        | 1         |           | $\dashv$        | $\dashv$     | $\dashv$     | +            | +     | +              | -          |      |                             | 56<br>57   | ++              | +            | Н                     | $\dashv$  |           | +            | -      | -        | <u> </u>       | 106<br>107 | $\vdash$        | +            | ╁       | +-       | H         | Н               | Н               | Н         |   |
|                   | 8        |           |           |                 | $\dashv$     | -            | $\perp$      | 4     | $\blacksquare$ |            |      |                             | 58<br>59   |                 | _            | П                     | $\Box$    | $\dashv$  |              |        | 1        |                | 108<br>109 | П               | 1            | F       |          |           |                 |                 |           |   |
|                   | 10       |           |           |                 |              | 1            |              | 1     |                |            |      |                             | 60         |                 | $\pm$        |                       |           |           |              |        |          |                | 110        |                 |              |         |          |           |                 |                 |           |   |
|                   | 11       |           |           | $\dashv$        | +            | +            | +            | +     | -              | -          |      |                             | 61<br>62   | $\vdash$        | +            | $\vdash$              |           | $\dashv$  |              |        |          | <u>.</u>       | 111<br>112 | Н               | +            | +       | -        | Н         | $\vdash \vdash$ | H               | -         |   |
|                   | 13       |           |           |                 | 7            | $\perp$      | $\downarrow$ | #     | 1              |            |      |                             | 63         |                 |              |                       |           |           | 4            |        |          |                | 113        |                 |              | T       | L        |           |                 |                 |           |   |
| -                 | 14<br>15 | Н         |           | _               | +            | +            | +            | +     | +              | $\dashv$   |      |                             | 64<br>65   |                 | +            | $\vdash$              |           |           |              |        |          |                | 114<br>115 | H               | +            | +       | ╁        |           | Н               | $\vdash$        | $\vdash$  |   |
|                   | 16<br>17 |           |           |                 | 4            |              | _            | 7     | 1              |            |      |                             | 66<br>67   |                 |              | П                     | $\Box$    | 7         | 4            |        |          |                | 116        | П               |              |         | ļ.,      |           |                 |                 |           |   |
|                   | 18       |           |           |                 |              |              |              | $\pm$ | $\pm$          |            |      |                             | 68         |                 |              |                       | $\exists$ | $\dashv$  | +            | +-     |          |                | 117<br>118 |                 | +            |         | +        | H         | H               | H               | $\dashv$  | i |
|                   | 19<br>20 |           |           | -               |              | 4            | +            | 4     | 4              | 4          |      |                             | 69<br>70   | $\vdash$        | +            | $\vdash$              | $\dashv$  | $\dashv$  | 4            | -      | }        |                | 119<br>120 | П               | $\bot$       | $\perp$ | -        |           | $\Box$          | $\Box$          |           | ı |
|                   | 21       |           |           | $\exists$       |              | $\downarrow$ |              | 1     | $\downarrow$   |            |      |                             | 71         |                 |              |                       |           | 寸         |              |        |          |                | 121        |                 |              |         |          |           |                 |                 |           |   |
|                   | 22       |           |           | +               |              | $\dashv$     | +            | +     | +              | $\dashv$   |      |                             | 72<br>73   | $\vdash$        | ╁            | H                     | -         |           | -            | -      |          |                | 122<br>123 |                 | +            | +       | +        | _         | $\vdash$        | $\vdash \vdash$ | Н         |   |
|                   | 24       |           |           |                 | 7            |              | 1            | 1     |                | 4          |      |                             | 74         | П.              |              |                       | $\exists$ | #         |              |        |          |                | 124        |                 | $\perp$      | 丰       |          |           |                 |                 |           |   |
|                   | 25<br>26 |           |           |                 | 1            |              | +            | +     | +              | $\dashv$   |      |                             | 75<br>76   | $\vdash$        | +            | H                     | $\dashv$  | $\dashv$  | +            | -      |          |                | 125<br>126 | $\vdash \vdash$ | +            | +       | +        | H         | $\vdash$        | Н               | $\dashv$  |   |
|                   | 27<br>28 |           |           | $\dashv$        | 4            | 7            | 7            | 1     | 7              | $\exists$  |      |                             | 77<br>78   |                 | $\perp$      | $\square$             | _         | 4         | $\dashv$     |        | ]        |                | 127        |                 | 1            | 1       | L        |           |                 |                 | 口         |   |
|                   | 29       |           |           |                 | $\pm$        | $\perp$      | $\pm$        | $\pm$ |                |            |      |                             | 79         |                 | $\pm$        |                       |           | $\pm$     | $\pm$        | 上      |          |                | 128<br>129 |                 | $\pm$        | $\pm$   | $\pm$    | H         | Н               | $\vdash$        | $\vdash$  |   |
|                   | 30<br>31 | $\dashv$  |           | $\dashv$        | +            | +            | - -          | +     | $\perp$        | $\dashv$   |      |                             | 80<br>81   |                 |              | $\Box$                | $\dashv$  | $\exists$ | $\dashv$     | -      |          |                | 130<br>131 | -               | $\bot$       | F       | F        |           | П               | П               |           |   |
|                   | 32       |           |           | $\downarrow$    | #            | $\perp$      | #            | #     | #              | $\exists$  |      |                             | 82         |                 |              |                       | $\exists$ | $\exists$ |              |        |          |                | 132        |                 | 士            | 上       |          |           |                 |                 |           |   |
|                   | 33<br>34 |           | _         | +               | +            |              | +            | +     | +              | $\dashv$   |      |                             | 83<br>84   | ++              | +            | $\vdash$              |           | $\dashv$  | +            | +      |          |                | 133<br>134 | $\dashv$        | $\perp$      |         | F        | $\square$ | $\dashv$        | Н               |           |   |
|                   | 35       |           |           | $\downarrow$    |              | #            | #            | #     | $\downarrow$   | $\exists$  |      |                             | 85         |                 | $\downarrow$ |                       | $\exists$ | 1         | $\downarrow$ | 二      |          |                | 135        |                 | $\pm$        |         |          |           |                 |                 |           |   |
| ļ                 | 36<br>37 | -         | $\dashv$  | $\dashv$        | +            | +            | +            | +     | +              | $\dashv$   |      |                             | 86<br>87   | $\vdash$        | ╁            | H                     | -         | $\dashv$  | +            | +-     | 1        |                | 136<br>137 | $\dashv$        | +            | +-      | H        |           | Н               | $\vdash$        |           |   |
|                   | 38<br>39 |           |           | #               | 1            | $\dashv$     | #            | #     | #              | $\exists$  |      |                             | 88         |                 | 1            |                       |           | $\dashv$  | #            | #      |          |                | 138        |                 | $\downarrow$ | L       |          | Ħ         | 口               | 口               |           |   |
|                   | 40       |           |           | $\equiv \vdash$ | $\pm$        | $\perp$      | $\pm$        | +     | $\pm$          | _          |      |                             | 89<br>90   |                 | +            | H                     | $\dashv$  | _         | +            | -      |          |                | 139<br>140 | +               | +            | +       | $\vdash$ | H         | $\vdash$        | $\vdash$        | $\dashv$  |   |
|                   | 41<br>42 |           |           | 4               | 7            | 1            | 1            | 1     | 7              | $\exists$  |      |                             | 91         |                 | Ŧ            | П                     | _         | 7         | 7            | 1      |          |                | 141        | $\Box$          | $\mp$        | -       |          |           | $\square$       | 口               | $\square$ |   |
|                   | 43       | $\exists$ |           | $\exists$       | $\pm$        | $\perp$      | 士            | 士     | $\pm$          | $\exists$  |      |                             | 92<br>93   |                 | $\pm$        | $\vdash$              |           | _         | $\dashv$     | $\pm$  | <u> </u> |                | 142<br>143 | $\dashv$        | +            | +       | $\vdash$ | H         | $\vdash \vdash$ | $\vdash \vdash$ | $\dashv$  |   |
|                   | 44<br>45 | $\Box$    | $\exists$ | $\exists$       | $\dashv$     | $\mp$        | $\perp$      | Ŧ     | $\dashv$       | $\exists$  |      |                             | 94<br>95   |                 | -            | П                     | 4         | 7         | 7            | Ţ.     |          |                | 144        |                 | 1            | _       |          |           | 口               | 口               | $\Box$    |   |
|                   | 46       |           |           | #               | $\downarrow$ |              | #            | 1     | $^{\dagger}$   | $\exists$  |      |                             | 96         |                 |              | Ħ                     | $\exists$ |           | $\pm$        |        |          |                | 145<br>146 |                 | $\pm$        | 士       |          | ᅥ         |                 |                 | $\exists$ |   |
|                   | 47<br>48 | -         | -         | $\dashv$        | +            | +            | +            | +     | +              | 4          |      |                             | 97<br>98   | $\vdash \Gamma$ | +            | $\vdash \overline{ }$ | $\dashv$  | $\dashv$  | $\bot$       |        |          |                | 147<br>148 | $\dashv$        | Ŧ            | F       | F        |           | П               | П               | $\neg$    |   |
|                   | 0        |           |           |                 |              |              |              |       |                | _18        | :::: |                             | 3          | ᆚ               |              |                       | - 1       |           | L            | _1.    | 1:::::   | 1              | 140        |                 | 1            | 1       | 1        | . 1       | , I             | ı I             | - 1       |   |

Application/Control No.

**Index of Claims** 

Applicant(s)/Patent under Reexamination